

**PATENT CERTIFICATE OF THE REPUBLIC OF CHINA**

**New Utility Model No. 182743**

**Name of the New Utility Model: The Universal Shaft Structure on the Fixed Base of Vehicle Hands-free Phone**

**Patentee: Jowtong Technology Co., Ltd.**

**Creator: Lin Zhonghong**

**Duration of the Patent Right: From November 11, 2001 until March 31, 2012**

**This new utility model has been conferred patent rights after application by the patentee according to the Patent Law.**

**Intellectual Property Office of the Ministry of Finance,**

**Director Chen Mingbang**

**Republic of China**

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New Utility Model

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[54] Name: The Universal Shaft Device on the Fixed Base of Vehicle Hands-free Phone

[21] Application No.: 089205473

[22] Application Date: April 1, 2000

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## [57] The Scope of the Patent Application

1. The universal shaft device on the fixed base of vehicle hands-free phone mainly includes a phone base. One end of the phone base connects with the fixed base for the mobile phone. And a speaker and a microphone are installed in prescribed positions. Thus, applied with the power in the vehicle, the mobile can be received hands-free. Its characteristics are:

—A connecting base: it is installed in the prescribed position in the phone base. A telecommunication terminator is installed at the center of the connecting base. Its inner rim is installed in a slot with an insert hole in the prescribed position on it;

—A connecting master base installed with a mid-hole: there are insert pieces corresponding to insert hole at one end of the connecting master base. These insert pieces would be inserted into the insert hole and then revolved into the slot for orientation. One end of the telecommunication terminator would be inserted to connect with the mid-hole, while the other end has a connecting head;

—More than one piece of connecting heads: both ends of each connecting head have a connecting terminator; its center has a hollow hole for lines going through it, so that lines

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would be linked easily without any tangles;

—A series of connecting plugs: one end of these connecting plugs connected with the power of ignition in the vehicle, the other end has a series of adaptors to connect with the connecting heads;

Thus, this series of adaptors are connected with the power of ignition in the vehicle and connected with the connecting terminator of more than one piece of connecting heads; these connectors are linked with each other according to the requirements. By changing the angles of each connector, the device would achieve joint-like stretching, so that the phone base would be moved to the appropriate positions for users through different angle.

- 5.
- 10.
2. According to the universal shaft device on the fixed base of vehicle hands-free phone described under section 1 of the patent application, its connecting heads can be of the shape of mouth-shape slot, while the connecting terminator of connecting heads corresponding to this mouth-shape slot can be of the protruding piece shape, so that when they are inserted into the slot, the whole device can be rotated at any angle.
- 15.
- 20.

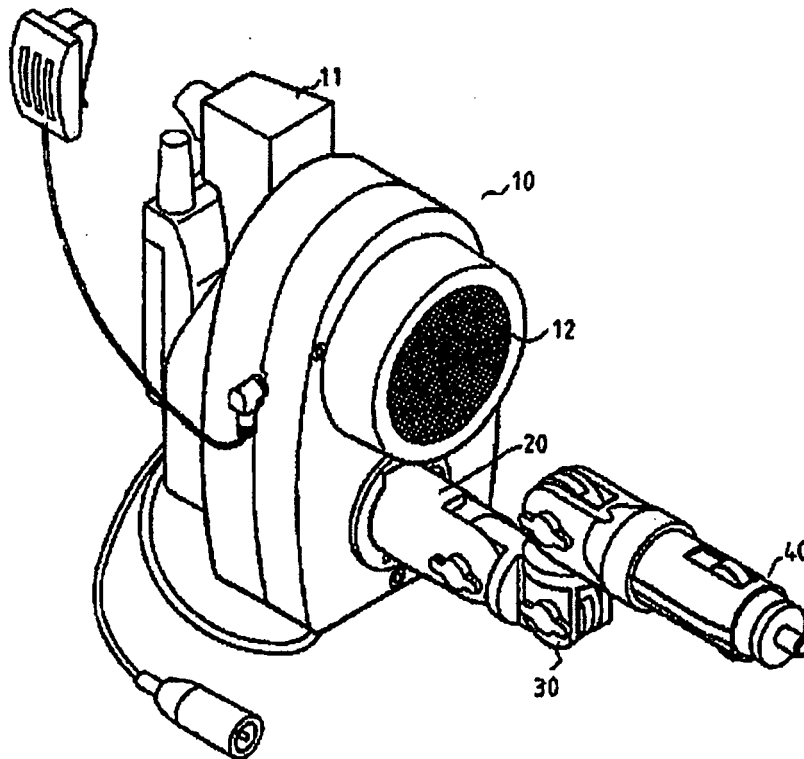
According to the universal shaft device on the fixed base of vehicle hands-free phone described under section 1 of the patent application, the connecting terminator of its connecting head has a rabbit to connect with

another connecting head; locked together, the device can be rotated at any angle.

4. According to the universal shaft device on the fixed base of vehicle hands-free phone described under section 1 of the patent application, the two connecting terminators of the connecting head can be at 90 degree angles with each other so that pieces connected with them can rotate their angles from left to right, or from upper to down.

Simple illustrations about the pictures:

Picture 1: The stereography of this device.



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Picture 2: The disassembly stereography of this device.

Picture 3: The stereography sketch of this device.

Picture 4: The first installation type of stereography of this device..

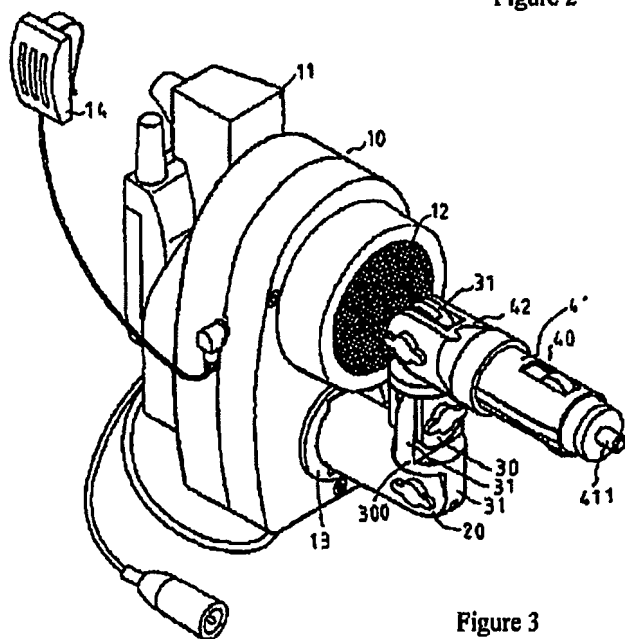
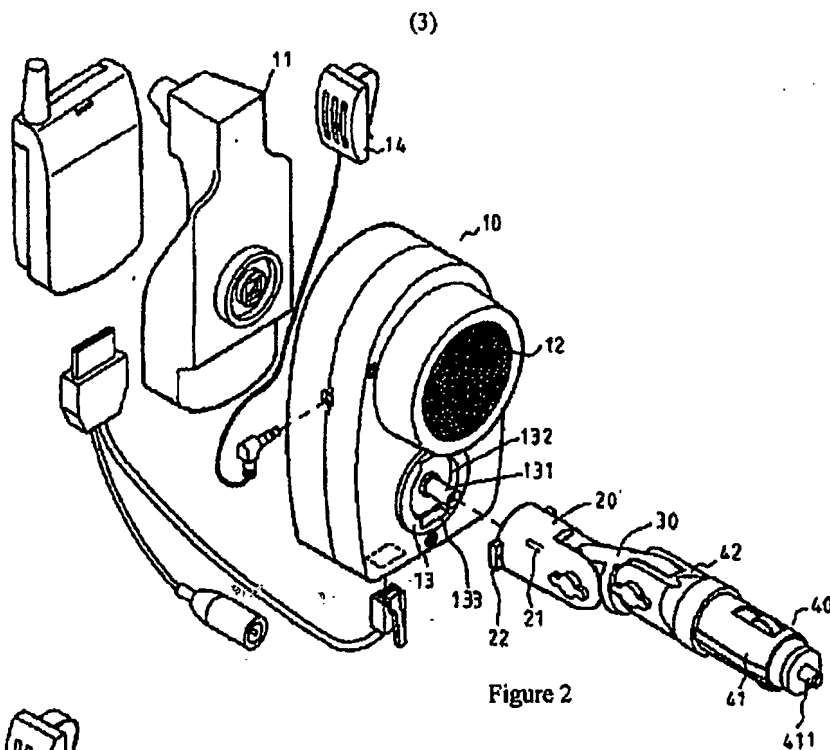
Picture 5: The first installation type of disassembly stereography of this device.

Picture 6: The second installation type of stereography of this device.

Picture 7: The second installation type of disassembly stereography of this device.

Picture 8: The third installation type of stereography of this device.

Picture 9: The third installation type of disassembly stereography of this device.



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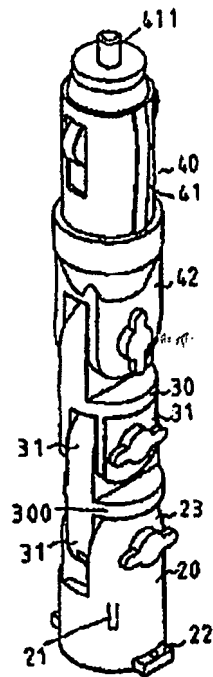


Figure 4

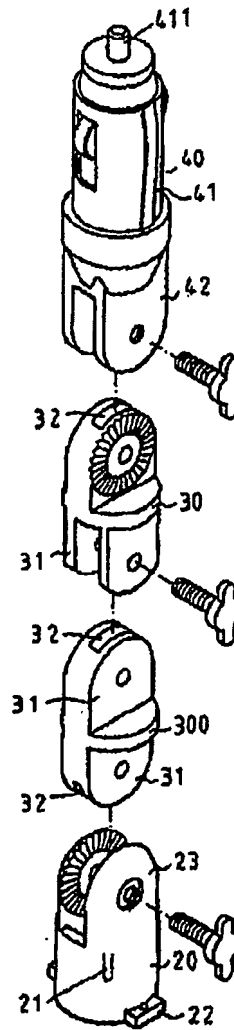


Figure 5

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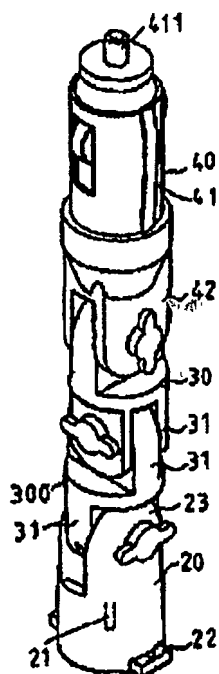


Figure 6

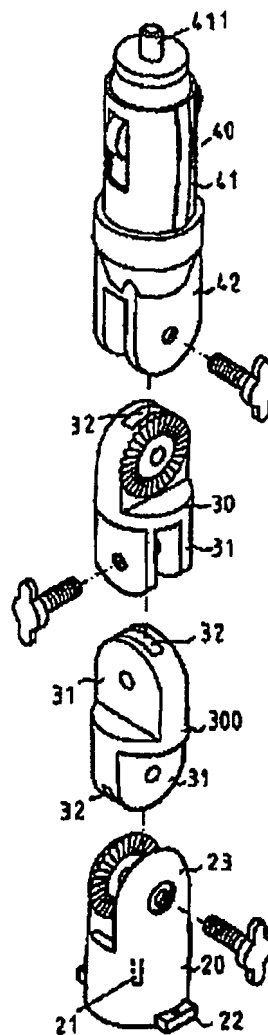


Figure 7

(6)

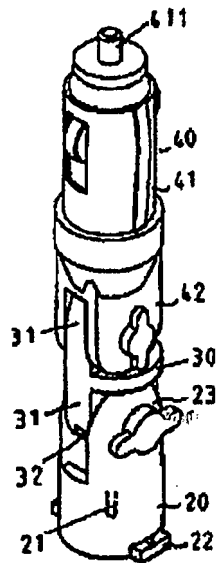


Figure 8

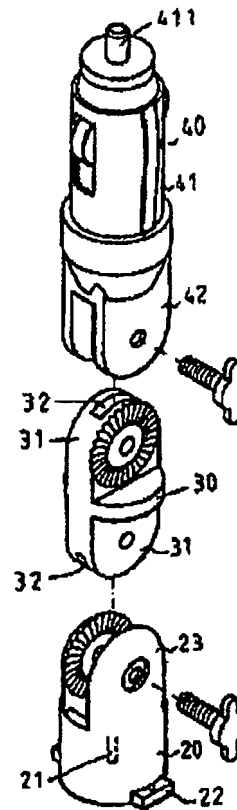


Figure 9

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